

Effects of Temperature on Juvenile Yearling Chinook Salmon

Temp °C	Effect	Reference
#12 13	Prevents premature smolting Upper limit of optimum range	Wedemeyer et al. 1980 Bell 1986, Brett 1952
15	Ability to smolt and outmigrate reduced Maximum growth	Myrick & Cech 2001 Brett et al. 1982 Myrick & Cech 2001
17	Disease starts to be a concern - <i>Chondrooccus columnaris</i> - <i>Aeromonas salmonicida</i> - <i>A. liquefaciens</i> - <i>Flexibacter columnaris</i>	Fryer & Pilcher 1974 Fryer et al. 1976 Holt et al. 1975 McCullough 1999
19	Growth stops	Armour 1990 Brett et al. 1982 Vigg et al. 1991
21	Predation Mortality starts to be a concern	Beacham & Withler 1991
23	Field distribution reduced	McCullough 1999
25	Death, 50% mortality in ~1 day (acclimated at 15 °C)	Brett 1952